

# ECONOMICS OF PROFITABLE SPINACH PRODUCTION

9-10-79  
L-1076A

FRESH MARKET SPINACH, IRRIGATED, TEXAS WINTER GARDEN REGION  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
SPINACH	CRTN	3.75	350.00	<u>1312.50</u>
TOTAL				\$1312.50
2. VARIABLE COSTS				\$
PREHARVEST				
SEED	LBS.	1.20	18.00	21.60
FERT(60-80-0)	ACRE	28.00	1.00	28.00
HERBICIDE	ACRE	22.00	1.00	22.00
INSECTICIDE	APPL	6.00	8.00	48.00
INSECT. APPLI.	APPL	1.75	4.00	7.00
FUNGICIDE	APPL	2.50	7.00	17.50
FUNGICIDE APPLI.	APPL	2.25	7.00	15.75
MACHINERY	ACRE	6.98	1.00	6.98
TRACTORS	ACRE	25.79	1.00	25.79
IRRIGATION MACHINERY	ACRE	34.80	1.00	34.80
LABOR(TRACTOR & MACHINERY)	HOURL	3.00	6.44	19.31
LABOR(IRRIGATION)	HOURL	3.00	0.94	2.82
OTHER LABOR	HOURL	2.25	10.00	22.50
INTEREST ON OP. CAP.	DOL.	0.09	61.80	<u>5.56</u>
SUBTOTAL, PRE-HARVEST				\$ 277.62
HARVEST COSTS				\$
HARV, PACK, MARKET	CRTN	2.60	350.00	<u>910.00</u>
SUBTOTAL, HARVEST				\$ 910.00
TOTAL VARIABLE COST				\$1187.62
3. BREAKEVEN PRICE, VARIABLE COSTS	CRTN			3.393
4. FIXED COSTS				\$
MACHINERY	ACRE	17.08	1.00	17.08
TRACTORS	ACRE	38.33	1.00	38.33
IRRIGATION MACHINERY	ACRE	23.00	1.00	23.00
LAND (NET RENT)	ACRE	50.00	1.00	<u>50.00</u>
TOTAL FIXED COSTS				\$ 128.40
5. TOTAL COSTS				\$1316.02
6. BREAKEVEN PRICE, TOTAL COSTS	CRTN			3.760

SPINACH IS PACKED AND MARKETING IN 20 POUND CARTONS.

PREPARED BY RICHARD TRIMBLE, TAEX, COLLEGE STATION, TEXAS

PROJECTED 1979

FRESH MARKET SPINACH, IRRIGATED, TEXAS WINTER GARDEN REGION  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL,OIL, LUB.,REP. PER ACRE	FIXED COSTS PER ACRE
SHREDDER 4R	3,30	SEPT	1.00	0.283	0.189	1.42	2.46
OFFSET DISC	1,34	SEPT	1.00	0.368	0.246	2.17	3.73
PICKUP	10	SEPT	0.10	0.125	0.100	0.26	0.20
OFFSET DISC	1,34	OCT	1.00	0.368	0.246	2.17	3.73
MOLDBOARD PLOW	1,32	OCT	1.00	0.814	0.542	5.18	9.27
OFFSET DISC	1,34	OCT	1.00	0.368	0.246	2.17	3.73
BEDDER 6R	1,36	OCT	1.00	0.221	0.147	1.29	2.84
PICKUP	10	OCT	0.10	0.125	0.100	0.26	0.20
BEDDER 6R	1,36	NOV	1.00	0.221	0.147	1.29	2.84
LAND PLANE	1,50	NOV	2.00	0.655	0.437	3.70	5.75
FERT.APPLI,RENTD	3,60	NOV	1.00	0.097	0.064	0.40	0.62
BEDDER 6R	1,36	NOV	1.00	0.221	0.147	1.29	2.84
BED SHAPER 6R	3,48	NOV	1.00	0.196	0.131	1.11	1.83
PICKUP	10	NOV	0.10	0.125	0.100	0.26	0.20
PLANTER 4R	1,41	DEC	1.00	0.372	0.248	2.35	4.26
CULTIVATOR 4R	1,39	DEC	1.00	0.318	0.212	1.75	2.85
V-TYPE DITCHER	3,54	DEC	0.10	0.071	0.047	0.30	0.48
SCRAPER BLADE	3,56	DEC	0.10	0.059	0.039	0.25	0.41
PICKUP	10	DEC	0.10	0.125	0.100	0.26	0.20
CULTIVATOR 4R	1,39	JAN	1.00	0.318	0.212	1.75	2.85
V-TYPE DITCHER	3,54	JAN	0.10	0.071	0.047	0.30	0.48
SCRAPER BLADE	3,56	JAN	0.10	0.059	0.039	0.25	0.41
PICKUP	10	JAN	0.10	0.125	0.100	0.26	0.20
FERT.APPLI,RENTD	3,60	FEB	1.00	0.097	0.064	0.40	0.62
V-TYPE DITCHER	3,54	FEB	0.10	0.071	0.047	0.30	0.48
SCRAPER BLADE	3,56	FEB	0.10	0.059	0.039	0.25	0.41
PICKUP	10	FEB	0.10	0.125	0.100	0.26	0.20
V-TYPE DITCHER	3,54	MAR	0.10	0.071	0.047	0.30	0.48
SCRAPER BLADE	3,56	MAR	0.10	0.059	0.039	0.25	0.41
PICKUP	10	MAR	0.10	0.125	0.100	0.26	0.20
PICKUP	10	APR	0.10	<u>0.125</u>	<u>0.100</u>	<u>0.26</u>	<u>0.20</u>
TOTALS				6.436	4.424	32.78	55.40

SPINACH IS PACKED AND MARKETING IN 20 POUND CARTONS.

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BUDGET IDENTIFICATION NUMBER--- 9930125011250 0  
ANNUAL CAPITAL MONTH 4



PROCESSED SPINACH, IRRIGATED, TEXAS WINTER GARDEN REGION  
ESTIMATED COSTS AND RETURNS PER ACRE  
HIGH LEVEL MANAGEMENT

	UNIT	PRICE OR COST/UNIT	QUANTITY	VALUE OR COST
1. GROSS RECEIPTS FROM PRODUCTION				\$
SPINACH	TON	70.00	6.00	<u>420.00</u>
TOTAL				\$ 420.00
2. VARIABLE COSTS				\$
PREHARVEST				
SEED	LBS.	1.20	18.00	21.60
FERT(100-100-0)	ACRE	40.00	1.00	40.00
INSECTICIDE	APPL	5.00	12.00	60.00
INSECT. APPLI.	APPL	1.75	6.00	10.50
FUNGICIDE	APPL	2.50	6.00	15.00
FUNGICIDE APPLI.	APPL	2.25	6.00	13.50
MACHINERY	ACRE	6.85	1.00	6.85
TRACTORS	ACRE	27.69	1.00	27.69
IRRIGATION MACHINERY	ACRE	47.85	1.00	47.85
LABOR(TRACTOR & MACHINERY)	HOUR	3.00	6.67	20.01
LABOR(IRRIGATION)	HOUR	3.00	1.29	3.88
OTHER LABOR	HOUR	2.25	15.00	33.75
INTEREST ON OP. CAP.	DOL.	0.09	43.81	<u>3.94</u>
SUBTOTAL, PRE-HARVEST				\$ 304.57
HARVEST COSTS				\$
HARV,PACK,MARKET	TON	13.50	6.00	<u>81.00</u>
SUBTOTAL, HARVEST				\$ 81.00
TOTAL VARIABLE COST				\$ 385.57
3. BREAKEVEN PRICE, VARIABLE COSTS	TON			64.262
4. FIXED COSTS				\$
MACHINERY	ACRE	17.19	1.00	17.19
TRACTORS	ACRE	41.10	1.00	41.10
IRRIGATION MACHINERY	ACRE	31.62	1.00	31.62
LAND (NET RENT)	ACRE	50.00	1.00	<u>50.00</u>
TOTAL FIXED COSTS				\$ 139.91
5. TOTAL COSTS				\$ 525.49
6. BREAKEVEN PRICE, TOTAL COSTS	TON			87.581

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HIGH LEVEL MANAGEMENT

OPERATION	ITEM NO.	DATE	TIMES OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, LUB., REP. PER ACRE	FIXED COSTS PER ACRE
SHREDDEF 4R	3,30	SEPT	1.00	0.283	0.189	1.42	2.46
OFFSET DISC	1,34	SEPT	2.00	0.737	0.491	4.34	7.45
MOLDBOARD PLOW	1,32	SEPT	1.00	0.814	0.542	5.18	9.27
PICKUP	10	SEPT	0.10	0.125	0.100	0.26	0.20
OFFSET DISC	1,34	OCT	1.00	0.368	0.246	2.17	3.73
BEDDER 6R	1,36	OCT	1.00	0.221	0.147	1.29	2.84
PICKUP	10	OCT	0.10	0.125	0.100	0.26	0.20
BEDDER 6R	1,36	NOV	1.00	0.221	0.147	1.29	2.84
LAND PLANE	1,50	NOV	2.00	0.655	0.437	3.70	5.75
FERT.APPLI,RENTD	1,60	NOV	1.00	0.097	0.064	0.47	0.70
BEDDER 6R	1,36	NOV	1.00	0.221	0.147	1.29	2.84
BED SHAPER 6R	3,48	NOV	1.00	0.196	0.131	1.11	1.83
PICKUP	10	NOV	0.10	0.125	0.100	0.26	0.20
STANHAY PLANTER	1,44	DEC	1.00	0.635	0.423	3.77	6.48
CULTIVATOR 4R	1,39	DEC	1.00	0.318	0.212	1.75	2.85
V-TYPE DITCHER	3,54	DEC	0.10	0.071	0.047	0.30	0.48
SCRAPER BLADE	3,56	DEC	0.10	0.059	0.039	0.25	0.41
PICKUP	10	DEC	0.10	0.125	0.100	0.26	0.20
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SCRAPER BLADE	3,56	MAR	0.10	0.059	0.039	0.25	0.41
PICKUP	10	MAR	0.10	0.125	0.100	0.26	0.20
TOTALS				6.670	4.564	34.54	58.29

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BUDGET IDENTIFICATION NUMBER--- 9931127011250 0  
ANNUAL CAPITAL MONTH 3

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